

# Notice of Allowability

Application No.

10/677,356

Examiner

Bernard Rojas

Applicant(s)

KOBAYASHI, KAZUHIKO

Art Unit

2832

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 05/19/04.
2. ☒ The allowed claim(s) is/are 4.
3. ☒ The drawings filed on 03 October 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

LINCOLN DONOVAN  
PRIMARY EXAMINER  
GROUP 2100

## **DETAILED ACTION**

### ***Election/Restrictions***

Applicant's election without traverse of Group II in the reply filed on 05/19/04 is acknowledged.

This application is in condition for allowance except for the presence of claims 1-3 to an invention non-elected without traverse. Accordingly, claims 1-3 been cancelled.

### ***Priority***

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### ***Allowable Subject Matter***

Claim 4 is allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record does not teach nor suggest, in the claimed combination, the claimed electromagnetic actuator structure used in a shift actuator transmission to move an operation member coupled to a shift lever for operating a gear-changing mechanism of the transmission.

More specifically, a shift actuator of a transmission equipped with a first electromagnetic solenoid and a second electromagnetic solenoid for actuating, in the directions opposite to each other, an operation member coupled to a shift lever for operating a gear-changing mechanism of the transmission, wherein said first

Art Unit: 2832

electromagnetic solenoid and said second electromagnetic solenoid comprise, respectively, a cylindrical body yoke, a front yoke arranged on one end side of said body yoke, a fixed yoke that is formed integrally with said front yoke and arranged in said body yoke, a back yoke arranged on the other end side of said body yoke, an annular center yoke arranged at the central portion of said body yoke in the axial direction thereof, a first annular electromagnetic coil that is arranged along the inner peripheral surface of said body yoke between said center yoke and said front yoke so as to surround said fixed yoke, a second annular electromagnetic coil arranged along the inner peripheral surface of said body yoke between said center yoke and said back yoke, an operation rod that is arranged being inserted through said front yoke and said fixed yoke so as to move in the axial direction and is coupled to said operation member, a first moving yoke mounted on an end of said operation rod on the side of said back yoke, a second moving yoke arranged on said operation rod so as to slide between said first moving yoke and said fixed yoke, and limiting means for limiting said second moving yoke from moving toward said back yoke at an intermediate position in a range in which said first moving yoke moves.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2832

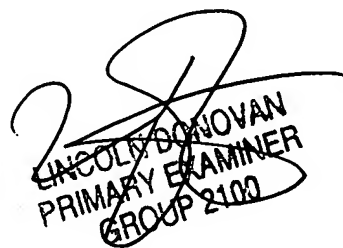
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernard Rojas whose telephone number is (571) 272-1998. The examiner can normally be reached on M-F 8-4:00), every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Br

  
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